

# WR7 Pre-Programmed & Learning REMOTE CONTROL

Owner's Manual



**UNIVERSAL**  
remote control  
The Pioneer in Control Technology

## **Congratulations!**

Congratulations on purchasing Universal Remote Control's WR7 7-Component Pre-Programmed and Learning remote control. You now have the power to control your entire home entertainment system with one easy-to-use remote. The WR7 can be used with thousands of audio/video components because of the extensive library of codes that have already been programmed into the remote. So... get ready to sit back, relax, and simplify your home entertainment experience.

This Owner's Manual is designed to assist you in programming your WR7 remote to work with your components by guiding you through an easy step-by-step process. Everything you need to know about programming the WR7 is contained in this Manual.

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The Pioneer in Control Technology

**500 Mamaroneck Avenue, Harrison, NY 10528**  
**Phone: (914) 835-4484 Fax: (914) 835-4532**

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## Getting Started - Overview

### Control up to 7 Components

The WR7 remote control is designed to control up to seven different Audio/Video components and operate virtually all brands of AUDIO, TV, DVD, VCR/DVR, CD, SAT/CABLE and AUX (Light, Music Server, etc.) components.

### Activating Component Buttons

Once you have programmed the WR7 for all of your components, all you need to do is press a component button and all the buttons on the WR7 will work with that component. For example, when you press the TV component button, all the buttons on your WR7 will operate your TV. If you press the DVD component button, all the buttons on the WR7 will operate your DVD.

Each time you press any of the buttons on the remote, the LED light in the component button will light up to indicate which component you are controlling.



### Learning Capability

The WR7 has the ability to 'learn' functions from the original remote controls of other manufacturers, even if they are not in the Pre-programmed database.

### AUX Function

The AUX (Auxillary) button is designed to operate a 7th audio/video component that you may have in your system... such as a TIVO, a second VCR or DVD, or an additional audio component.

### Light Button

The WR7 features a fully backlit keypad for ease of use in low light or darkened viewing conditions. Press the LIGHT button to backlight all the keypad buttons. Press again to turn off (or simply wait 10 seconds for automatic shut-off).

### Battery Installation

Press the tab and remove the cover of the battery compartment located in the back of your remote. Insert the two AA Alkaline batteries (included in the package) making sure to match the positive (+) and negative (-) symbols as shown in the diagram. Place the cover back over the battery compartment.

INSERT BATTERIES  
CORRECTLY



### Low Battery Warning

When the batteries are low and need to be replaced the component LED will quickly blink three times when you press the POWER [ON] button.

### Couch Mode

The WR7 is designed to automatically turn itself off if a button is pressed for more than 30 seconds. This prevents battery power from being depleted should the remote accidentally slip between the couch cushions.

## Special Advanced Features

The WR7 also offers the following special advanced features that can offer you many time-saving conveniences:

### **MacroPower™ & Other Macro Buttons**

MacroPower is a unique feature that enables you to turn all your components ON or OFF, all at the same time, simply with the press of one button. The WR7 has 13 Macro buttons that are designed to store up to 20 commands in each button. Pressing any one of the Macro buttons will send out the series of commands that are stored in that button.

### **'My Favorites' (Favorite Channels)**

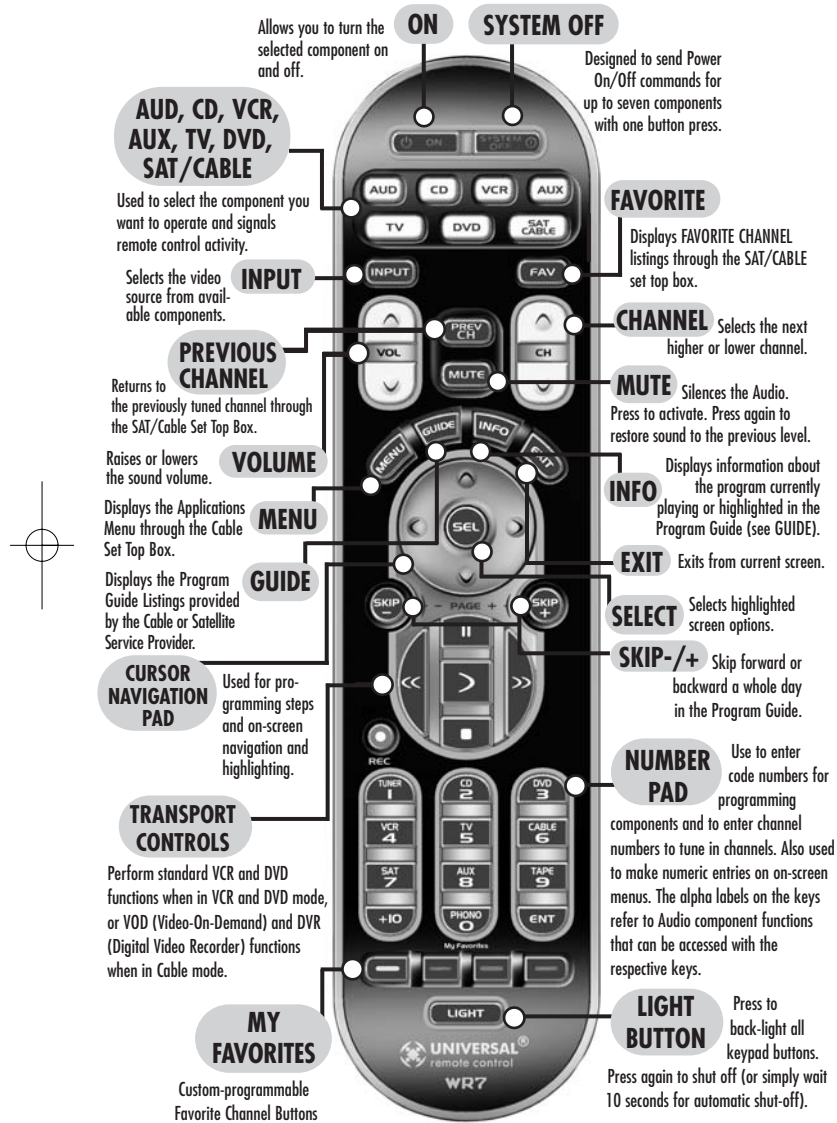
This is one of the most desirable features of the WR7 remote control. Once it's set up, you can select one of four favorite channels with the press of one button – without the need to type in a channel number. So, whether it's CNN or the Food Network, your favorite viewing spot is just one click away.

### **SimpleSound™ & Other 'Punch Throughs'**

SimpleSound Volume Control is a dynamic feature that gives you total volume control over all the components in your system, even those that do not have their own built-in volume control, such as TIVO, DVD and VCR... saving you the hassle and inconvenience of constantly needing to switch between component modes on the remote. As an example, in order to increase the volume while watching a DVD, you would typically have to pick up the TV remote control to increase the volume. With the WR7, you do not even have to press the TV component button. Once you program SimpleSound in your DVD mode, you will automatically have TV volume control in DVD mode.

SimpleSound is what is called a 'Punch Through' feature and is not limited to volume control. It can also be applied to Channel Control, Transport Control, and OSD Control.

## Keypad Layout & Button Functions





## Programming WR7 using Pre-Programmed Codes

There are three ways you can program your WR7 using the component brand codes that are pre-programmed into the remote.

- Quick Set-Up Method
- Three-Digit Code Entry Method
- Auto-Search Method

The Quick Set-Up Method is a unique new feature that enables the fastest and easiest set-up by using one-digit codes for up to 10 major brands for each component. The Three-digit Code Entry Method allows you to set-up the WR7 using 3-digit codes for component brand names. It is also a fast and easy way to program the remote. The Auto-Search Method scans through all the brands in the remote control, one at a time. It should be used when either the Quick Set-Up or Three-Digit Code Entry Methods do not work.

\* \* \*

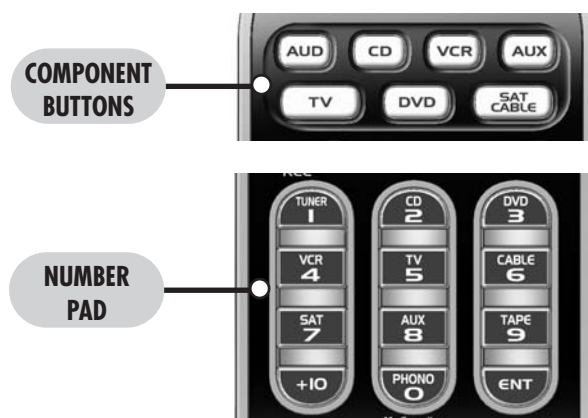
### Quick Set-Up Method

**STEP 1:** Manually or using your old remote, turn on the component you want to program—for example, to program your TV, turn on your TV set.

**STEP 2:** Point the WR7 toward the component that you want to program (in this case the TV set) and press and hold the component button (in this case the TV button). **While holding down the component button**, begin to press numeric keys, one number at a time, starting from 1, continuing to 2, 3...0 until the component (in this case the TV) turns off.

**STEP 3:** Release the component button to save the code.  
The component LED light will blink three times to confirm that the code has been stored.

Repeat the above steps for other components.



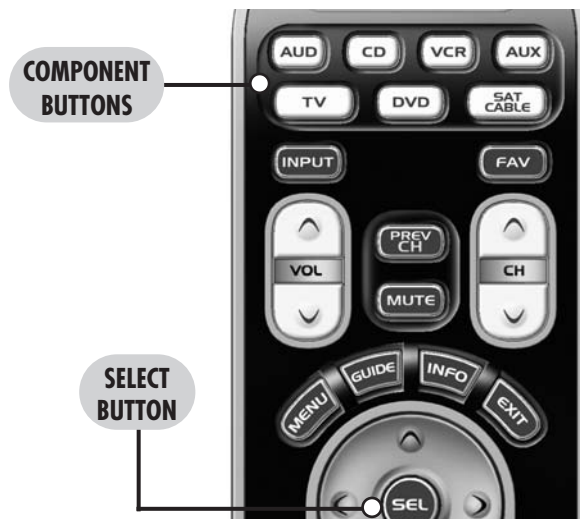
### Three-Digit Code Entry Method

**STEP 1:** Find the 3-digit code numbers assigned to your brand from the lists in the back of this manual. The codes are listed by component category (i.e., TV, VCR, DVD, etc.), then by brand name. For instance, if you would like to locate a code for a Sony television, first locate the TV category and then look for the Sony brand.

**STEP 2:** Once you have located the 3-digit codes for each of the components that you wish to operate with your WR7, write them ALL down on a piece of paper. It's important that you write down all the codes listed for your brand because only one code is going to work with your component.

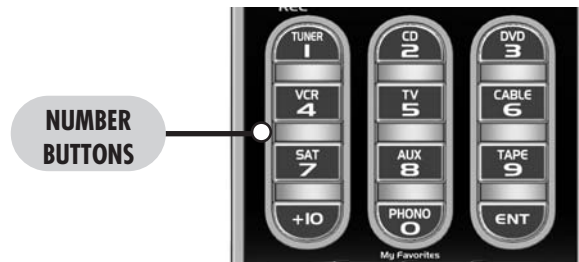
**STEP 3:** Manually or using your old remote, turn on the component you want to program—for example, to program your TV turn on your TV set.

**STEP 4:** On the WR7, press the Component button that you want to program (in this case the button that says TV) and the SELECT [SEL] button at the same time. Hold down both buttons for two seconds until the TV Component LED light turns on. This signals that you are in programming mode.



**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

**STEP 5:** Point the WR7 toward the component (in this example the TV) and punch in the first 3-digit code that you wrote down for that specific component. Use the Number buttons 0~9 on the remote to punch in the code. The TV LED light will blink each time a number is pressed.



If the 3-digit code number you just punched in is the correct number, the component you are trying to program will turn off. If it did not turn off, enter the next code number from your list until it does turn off.

**STEP 6:** Once you've entered the code number and the component has turned off, press the POWER [ON] button on the WR7 remote to turn the component back on.

Next test the VOLUME and CHANNEL buttons (or PLAY and STOP buttons for VCR and DVD) to make sure they all work. For example, perhaps your Sony TV turned off with code number 147, but the volume controls did not work properly. In this case, try the next code number listed for that component. Repeat Step 5 using the next code number until you find a perfect match.

**STEP 7:** Once you've entered a correct code, **you must save it.** Press the component button you just programmed (in this case TV) one more time to save the code number. The component LED light will blink three times to confirm that the code was successfully stored. Now when you press the TV component button, all of the buttons will work with your TV.

Program the remaining components by repeating steps 3 through 7.

**IMPORTANT:** If you have tried all the set-up codes in the list and the component still did not turn off after Step 5, either the Auto-Search Method (page 14) or the Learning Method (page 16) will help you program.

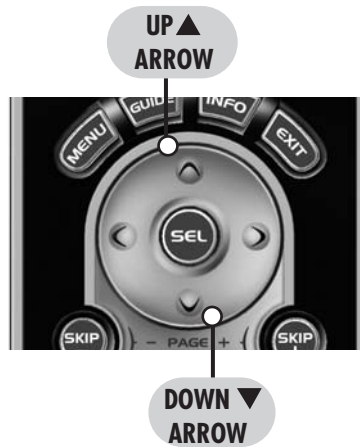
### Auto-Search Method

The Auto-Search Method is a way you can scan through all of the codes in the table to find the right code for your component.

**STEP 1:** Manually or using your old remote, turn on the component you want to program—for example, to program your TV, turn on your TV set.

**STEP 2:** On the WR7, press the Component button that you want to program (in this case the button that says TV) and the SELECT [SEL] button at the same time. Hold down both buttons for two seconds until the TV Component button light turns on. This signals that you are in programming mode.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



**STEP 3:** Point the WR7 remote control toward the component and press the UP [▲] arrow (or DOWN [▼] arrow) button once. Each time the UP or DOWN arrow button is pressed, the code will count up (or down) one code number and send a Power OFF signal. When the correct code is sent out, the component will turn off.

**STEP 4:** Once you have found the right code number and the component has turned off, press the POWER [ON] button on the WR7 remote to turn the component back on.

Next test the VOLUME and CHANNEL buttons (or PLAY and STOP buttons for VCR and DVD) to make sure they all work. If any of the buttons do not work properly, you need to find a new code. Continue pressing the UP (or DOWN) arrow button until you find a new code that turns off the component and makes the VOLUME or PLAY buttons respond correctly.

**STEP 5:** Once you have found the right code, **you must save it.** Press the component button you just programmed (in this case TV) one more time to save the code number. The component LED light will blink three times to confirm that the code was successfully stored. Now when you press the TV component button, all of the buttons will work with your TV.

**NOTE:** Use this method for those components you cannot program with either the Quick Set-Up or 3-digit Code Entry Methods.

**IMPORTANT:** If you cannot find the right code after 5 minutes of trying the Auto-Search Method, try the Learning Method (page 16).

**PLEASE DO NOT RETURN  
THIS PRODUCT TO THE STORE**

PLEASE CONTACT OUR TECHNICAL  
SUPPORT CENTER.

IF YOU NEED ASSISTANCE E-MAIL  
[techsupport@UniversalRemote.com](mailto:techsupport@UniversalRemote.com)

or dial 1-800-901-0800  
(9:00AM - 6:00PM EST)

## Programming WR7 using the Learning Method

**STEP 1:** Line up the WR7 to the remote control you want to 'learn' from, head-to-head as shown below. Start with both remotes' IR windows touching (or nearly touching).



**STEP 2:** On the WR7, press the Component button that you want to program (in this case the button that says TV) and the ENTER [ENT] button at the same time. Hold down both buttons for two seconds until the TV Component button light turns on. This signals that you are in programming mode.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

**STEP 3:** Press any button on the WR7 that you want to teach a command to. For example, if you want to teach the [MUTE] button on the WR7 the TV Mute command from the other remote, first press the [MUTE] button on the WR7 and the TV component button LED light will blink once indicating that the WR7 is ready to learn the command.



**STEP 4:** Press and hold the [MUTE] button on the other remote until the component button LED on the WR7 blinks twice. Now you can continue learning all other buttons from your old remote by pressing the next button on the WR7 and repeating this step.

**Note:** The component LED will blink five times if there was an error in the learning process. In this case, please repeat Steps 3 and 4.

**STEP 5:** Once the WR7 has learned all the buttons in the selected component mode, press and hold the Component button and ENTER [ENT] buttons at the same time to save the learned functions. The component LED light will blink three times to confirm the programming. Now test all the buttons to make sure they learned correctly.

Repeat Steps 1-5 to program any other component modes.

**If the Learning Method does not work, here are a few suggestions:**

- If you have a Plasma TV, move to another room
- Avoid programming under fluorescent light or direct sunlight
- Put new batteries in the old remote
- Gradually vary the distance between the two remote controls
- Adjust the angles of the remotes (i.e., keep the WR7 on a flat surface while holding the other remote in hand and angling it down toward the WR7)
- Tap the button on your old remote instead of pressing and holding it during the learning process

**Here are some additional facts regarding the Learning process:**

- Learned functions override any existing pre-programmed functions on the remote control
- Learned functions are automatically erased when a new function is learned on the same button
- Learned functions are retained even after a different set-up code number is programmed into the remote control
- To return to an original pre-programmed function, a learned function must be erased
- Rapidly tapping the Volume Up button on the old remote will teach the WR7 to ramp the volume instead of raising it in increments of one

## AUX Function: Programming a 7th Component

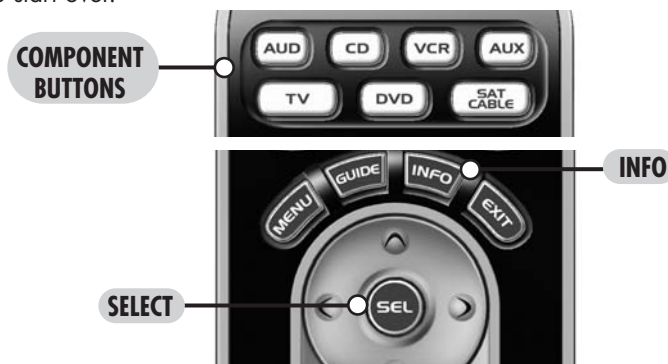
After you've finished programming the WR7 for six primary components and you did not use AUX, you can take advantage of the AUX function to program a 7th component, such as a second TV, DVD, or any other audio/video component that you may have in your system. Simply program the [AUX] button in the same manner as any other component using either the Quick Set-Up Method, the 3-Digit Code Entry Method, the Auto-Search Method or the Learning Method.

### Finding a Component's Set-up Code Number

If you used the Auto-Search or Learning Methods to program a component, you may not know the code number you programmed. Here is a way for you to identify what that code number is, so you can make a note in the back of this Manual for future reference.

**STEP 1:** Press the component button you would like to verify and the SELECT [SEL] button at the same time for two seconds until the selected component LED light turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



**STEP 2:** Press the [INFO] button and count the number of times the Component LED light blinks. This number indicates the first digit of the code. Next it will pause for about one second and begin blinking again to indicate the number of the second digit. Then once again it will pause, then blink, to indicate the number of the third digit.

**Example:** One blink, pause, eight blinks, pause, three blinks indicates code number 183.

Note that ten (10) blinks represent the number 0.

## Programming Special Advanced Features

### Programming Multi-Commands to Macro Buttons

The WR7 has 13 Macro buttons (ON, SYSTEM OFF, 7 Component buttons, and 4 'My Favorites' buttons) that are designed to store up to 20 commands in each button. Pressing any one of the Macro buttons will send out the series of commands that are stored in that particular button.

### MacroPower™ Total System On/Off

MacroPower makes several devices work together by pressing one button. Imagine the convenience of turning on your TV, your DVD player and your Surround Sound receiver by pressing a single button on your WR7. What could normally take three remotes and three button pushes, the WR7 can accomplish with the press of one button. We call that MacroPower. Any of the Power On or the System Off buttons can be programmed for MacroPower control. To set it up, follow these easy steps:

**STEP 1:** To program MacroPower commands for the POWER [ON] button, press the POWER [ON] button and the [MUTE] button at the same time for two seconds until one of the component button LED lights turns on.



**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

**STEP 2:** Press the component button you want to turn on and then the POWER [ON] button; repeat for all other components in the order you want them to turn on. The component LED lights will blink once each time you press the POWER [ON] button.



**STEP 3:** Once you've entered all the Power On commands, press the CHANNEL Up [CH▲] button to save your MacroPower commands. The component LED lights will blink three times to confirm that the programming has been successfully saved.



**SUGGESTION:** Most of the components have the same signal to turn the power On and Off. You may want to program MacroPower only in the POWER [ON] button and save the [SYSTEM OFF] button to turn components On or Off individually.

**Note:** If you want to program MacroPower for the [SYSTEM OFF] button, repeat the same steps used for POWER [ON] programming.

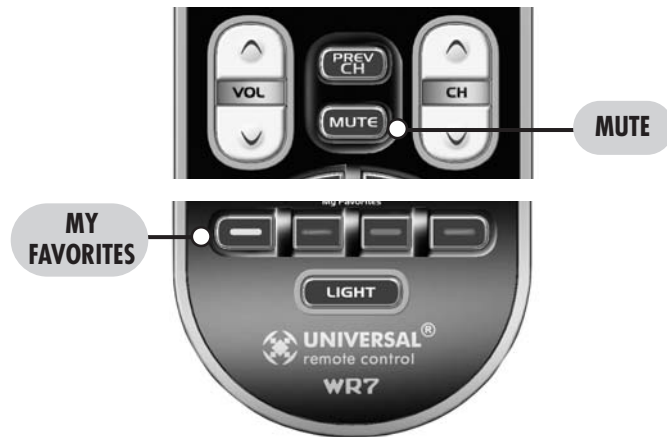
## Programming 'My Favorites' - Favorite Channel Buttons

In Cable mode, the four [MY FAVORITES] buttons are also designed to serve as dedicated Favorite Channel buttons. Each button will access one of your favorite channels with just one button press. Here's how to program Favorite Channels:

**STEP 1:** Press the [CABLE/SAT] button to select the Cable/SAT mode.

**STEP 2:** Press one of the [MY FAVORITES] buttons and the [MUTE] button at the same time for two seconds until the [CABLE/SAT] component LED turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



**STEP 3:** Using the Number Pad, punch in the Channel number of the Favorite Channel that you want to store in the Macro button. The CABLE/SAT component LED light will blink once for each button pressed.

**STEP 4:** Press the CHANNEL UP [CH▲] button to store the commands entered. The [CABLE/SAT] component LED will blink three times to confirm the programming.



### Notes regarding programming multi-commands to Macro buttons:

- You can program up to 20 commands on each Macro button.
- You can program delays in between commands by pressing the [PAUSE] button. Each press adds a one-half second delay.
- Also, if you add the delay time as the first step of Macro commands, the remote will not send the Macro unless the button is held for two seconds. (This is the Press & Hold Function).
- You can also program macro commands in 'layers' by pressing the [STOP] button in between commands. (For example, if you press [009], [STOP], [035], [STOP], [365], [STOP] in Step 3 of the Favorite Channel programming process) the remote will send out 009 at the first press of the selected [My Favorites] button, and then send out 035 at the second press, etc.
- You cannot program the [CH▲] or [PAUSE] buttons as macro commands.



## SimpleSound™ Total System Volume Control

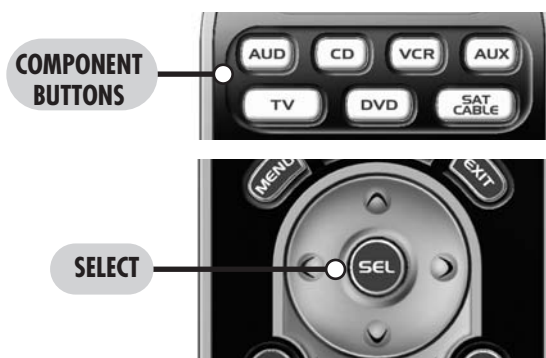
SimpleSound is one of the most exciting features of the WR7. It gives you total volume control over ALL the components in your system, even those that do not have built-in volume control, such as TIVO, DVD and VCR. SimpleSound saves you the hassle and inconvenience of constantly switching between component modes just to control volume.

First you should identify which device in your system will be used to deliver sound. In a basic system, the sound may come from your TV speaker. In a more advanced system, the sound may come from your audio components (such as a Surround Sound Receiver or Home Theatre system).

Now, let's set-up SimpleSound. Here's how:

**STEP 1:** Press and hold the button that corresponds to the Component you want to add volume control to (such as a DVD or VCR) and the SELECT (SEL) button at the same time for about three seconds until the component LED light turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



**STEP 2:** Press the VOLUME UP [VOL▲] button and then press either the TV or AUDIO component button that you want to use for volume. The Component LED light will blink three times to confirm that it is saved. This sets up three buttons (Volume Up, Volume Down and MUTE) as a group for that component.



Repeat Steps 1-2 for all other components.

**Note:** SimpleSound is what's technically referred to as a "Punch Through" feature and is not limited to volume control. It can also be applied to other groups of buttons. If you find yourself switching to a particular component mode frequently to access a particular control, consider using Punch Through.

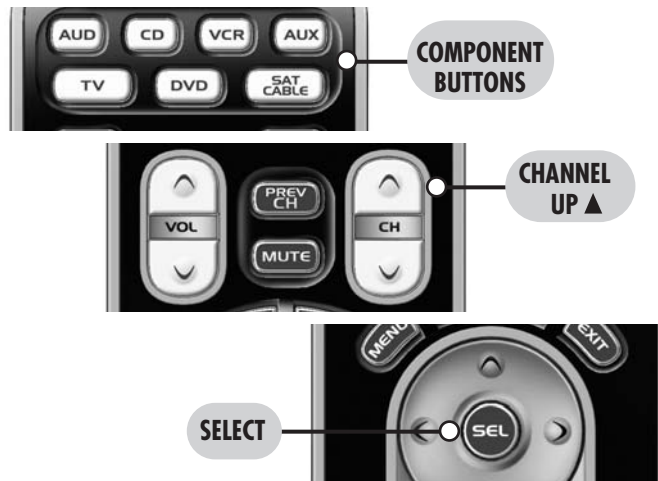
## Channel Control 'Punch Through'

This 'punch through' enables you to program the WR7 so that either the Cable or TV Channel Controls (CHANNEL UP, DOWN, LAST, CHANNEL NUMBERS 0-9, +10 and ENTER) will also operate in other component modes on the remote control.

**STEP 1:** Press and hold the component button you want to add channel control to, such as [DVD] or [VCR], and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

**STEP 2:** Press the CHANNEL UP {CH ▲} button. The component LED light will blink once.



**STEP 3:** Press either the [TV] or [CABLE/SAT] button that you want to use as the source of channel control. The component LED will blink three times to confirm it is saved.

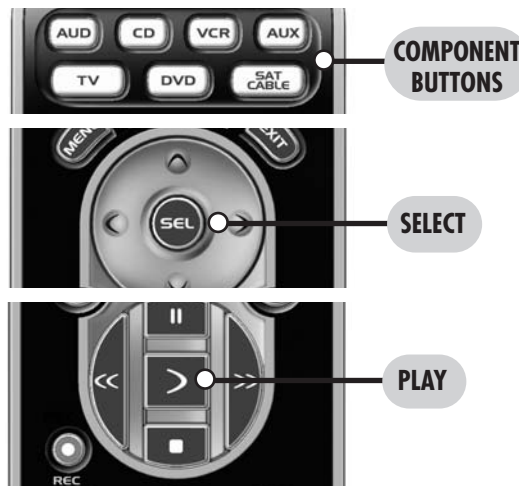
### Transport Control 'Punch Through'

This 'punch through' enables you to program the WR7 so that VCR or DVD Transport Controls (PLAY, STOP, FF, REW, PAUSE, SKIP and RECORD) will also operate in other component modes on the remote control.

**STEP 1:** Press and hold the component button you want to add Transport Control to, such as [CABLE/SAT] or [TV], and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

**STEP 2:** Press the [PLAY] button. The component LED light will blink once.



**STEP 3:** Press either the [DVD] or [VCR] button that you want to use as the source of Transport Control. The component LED will blink three times to confirm it is saved.

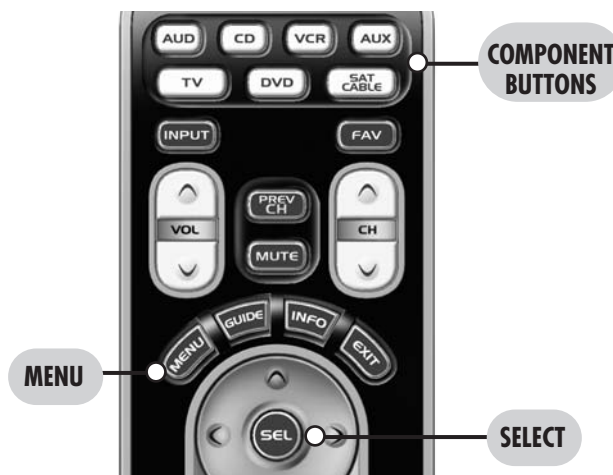
## OSD (On-Screen Display) Control 'Punch Through'

This 'punch through' enables you to program the WR7 so that CBL or DVD OSD Controls (MENU, GUIDE, INFO, EXIT, SEL and 4 Cursor Controls) will also operate in other component modes on the remote control.

**STEP 1:** Press and hold the component button you want to add OSD Control to, such as [TV] or [VCR], and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

**STEP 2:** Press the [MENU] button. The component LED will blink once.



**STEP 3:** Press either the [CABLE/SAT] or [DVD] button that you want to use as the source of OSD Control. The component LED will blink three times to confirm it is saved.

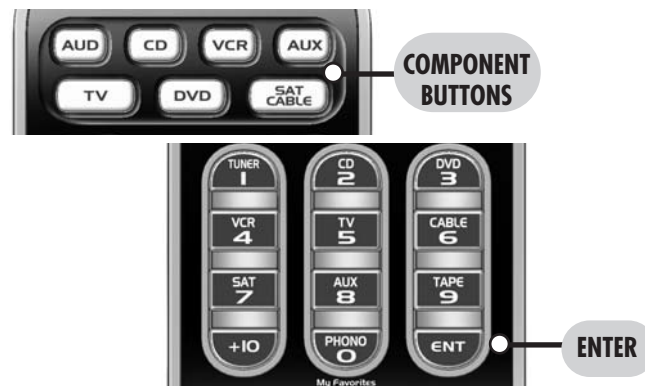
## Erasing Commands - Overview

You can erase a single learned command, all learned commands in each component mode, SimpleSound programming, MacroPower commands, or re-set the remote to original factory default settings.

### Erasing a Single Learned Command from One Component

**STEP 1:** Press the component button where the learned command is stored and the [ENTER] button at the same time for two seconds until the component LED light turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.



**STEP 2:** Press and hold the button you want to erase for two seconds. The component LED light will blink twice to confirm the erasure.

**STEP 3:** Repeat Step 2 to erase any other buttons in the selected component mode.

**STEP 4:** To exit Erase mode, press and hold both the component button and the [ENTER] button at the same time until the component LED light blinks three times.

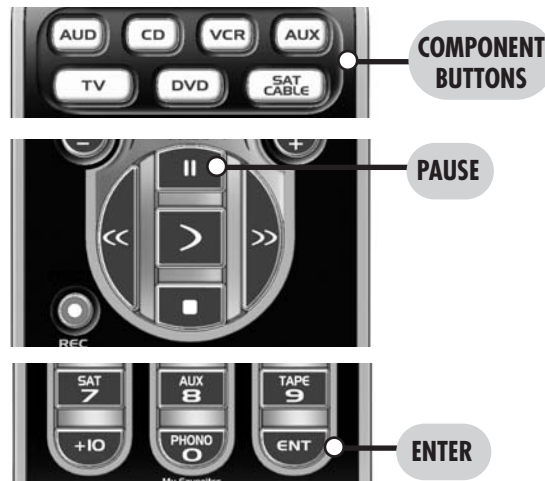
## Erasing All Learned Commands from One Component

This function allows you to erase all the learned commands from one component. For example, if you want to erase all learned commands on the TV component button because you bought a new TV, the process is very simple.

**STEP 1:** Press the component button where all the learned commands are stored and the [ENTER] button at the same time for two seconds until the component LED turns on.

**IMPORTANT:** You have 30 seconds to perform the next step while you are in programming mode. If you do not press a button within 30 seconds, the component LED light will turn off. The remote will exit the programming mode and you will have to start over.

**STEP 2:** Press and hold both the component button you want to erase and the [PAUSE] button at the same time for two seconds, until the component LED light blinks twice to confirm the erasure.



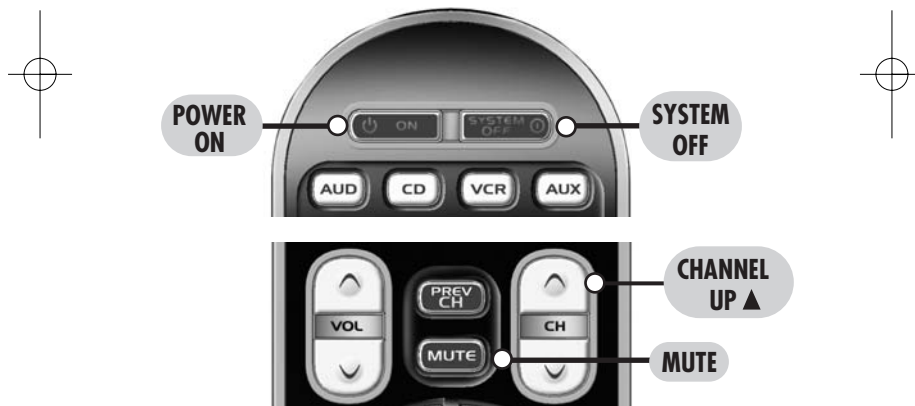
**STEP 3:** To exit Erase mode, press and hold both the component button and the [ENTER] button at the same time until the component LED light blinks three times.

## Erasing MacroPower & Other Macro Commands

**STEP 1:** To erase MacroPower commands on the POWER [ON] or [SYSTEM OFF] button, press and hold either the POWER [ON] or [SYSTEM OFF] button and the [MUTE] button simultaneously for two seconds until the current status component LED turns on.

**IMPORTANT:** If you don't proceed to the next step within 30 seconds, the LED will turn off and exit set-up mode and you will need to start over.

**STEP 2:** Press the CHANNEL UP [CH ▲] button to erase and exit Erase mode. The component LED light will blink three times to confirm the erasure.



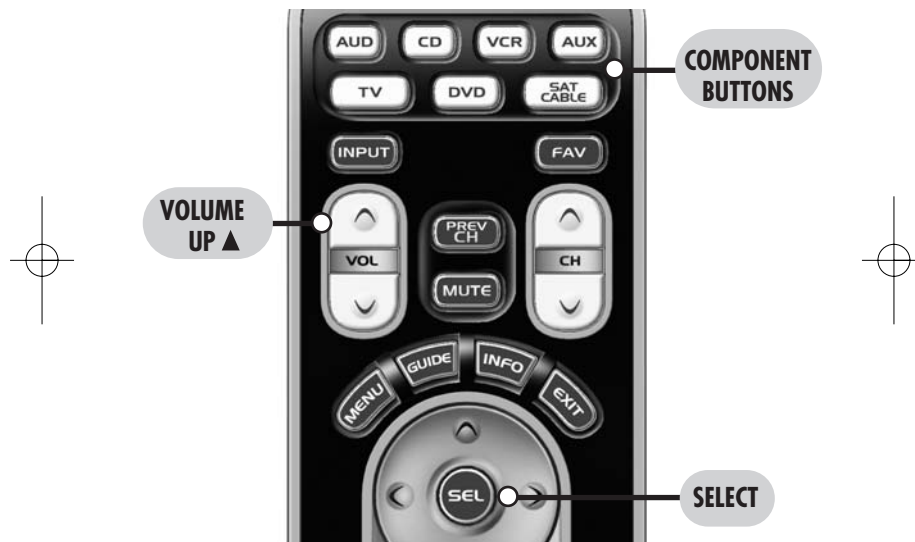
**NOTE:** To erase other Macros, simply press the appropriate button in Step 1 in combination with the [MUTE] button.



## Erasing SimpleSound & Other 'Punch Through' Commands

**STEP 1:** Press and hold the Component button you want to erase volume control from, such as DVD or VCR and the SELECT [SEL] button at the same time for two seconds until the Component LED light turns on.

**STEP 2:** Press the VOLUME UP [VOL ▲] button and the same component button from Step 1. The component LED light will blink three times to confirm the erasure.



Repeat Steps 1–2 to erase SimpleSound commands from other components.

**NOTE:** To erase other 'punch through' commands, simply press the following buttons in place of VOLUME UP in Step 2:

- For Channel Control, press: CHANNEL UP [CH ▲]
- For Transport Control, press: PLAY [▶]
- For OSD Control, press: [MENU]

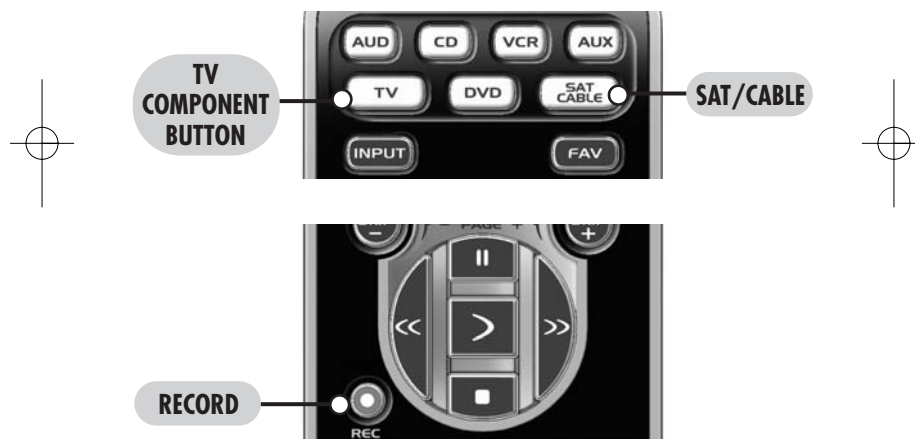
## Factory Reset

You can reset your WR7 remote to the original factory default settings.

Press and hold both the [TV] and RECORD [REC] buttons for about five seconds until the [CABLE/SAT] component LED light blinks five times. All programming and set-up codes that you have entered into the remote will be erased and the WR7 will return to the original factory default settings.

### Warning

This procedure will erase all programming and set-up codes that you have entered into the remote.



## Pre-Programmed Code Tables

The WR7 Pre-Programmed code library is classified by category (Audio, CD, VCR/DVR, etc.).

Within each category, the code numbers are listed in rows by brand (Sony, Panasonic, B & K, etc.). Some brands have more than one three-digit code.

Circle the correct row and refer to it while you perform setup operations.

<b>AUDIO</b>	Amps, Preamps & A/V Receivers	36
<b>CD</b>	CD Players & Changers	37
<b>VCR/DVR</b>	VCRs, DVRs & Combo Units	38-39
<b>AUX</b>	iPod, Media PC, Gaming System, Lighting Controls	40
<b>TV</b>	TVs, Plasmas, Projectors & Monitors	41-43
<b>DVD</b>	DVD Players & Recorders	44-45
<b>CABLE/SAT</b>	Cable Set Top Boxes & Satellite Receivers	46

# AUDIO

## Brand Code Numbers

ADCOM	082 092 225 161 269 356
AIWA	170 018 104 202 203 213 211 188
AKAI	189
ANTHEM	335 337
ARCAM	141 077
ATLANTIC TECHNOLOGY	342
AUDIO FILE	071
B & K	096 097
BOSE	070 170 224 347 409 460
BOSTON ACOUSTICS	447
CARVER	006 028 061 071 201 214 226 185 013 077 284
CITATION	148
CLARION	026
DENON	001 109 215 230 234 330
ELAN	057 290
ENLIGHTENED AUDIO	099 098
ESCIENT	451
FISHER	214 182
FLEXTRONICS	378
FOSGATE AUDIONICS	148 342
GOLDSTAR	008
HARMAN KARDON	148 233 077 154 118 318
HITACHI	020
INSIGNIA	589
INTEGRA	275 017 046 108 080 209
JAMO	398
JCPENNEY	216
JVC	163 191 114 279 291
KENWOOD	026 066 145 192 182 005 280 374
KLH	331
KOSS	216 573
KRELL	072 384
LEXICON	120 235 236 237 357 360
LINN	124 377
LUXMAN	009 139 052 165 115 004
MAGNAVOX	086 164 152 208
MARANTZ	006 028 031 040 063 185 186 265 289 492
MCINTOSH	238 286
MERIDIAN	100 012 013
MITSUBISHI	242 204
MONDIAL	157 158 042 043 081 112
MYRYAD	077
NAD	186 113
NAKAMICHI	040 244 245 172 183 287
NEC	176
NIRO	343
NILES	403
ONKYO	275 017 046 108 080 209
OPTIMUS	026 041
OUTLAW	342
PANASONIC	032 195 219 177 292
PARASOUND	129 130 132 261 294 295 333 334
PHILIPS	249 250 063

## Brand Code Numbers

PIONEER	014 039 044 069 168 116 035 078 198 480
PROCEED	144 268
RCA	010 048 117 156 067 288
REALISTIC	019 073 075 095
ROTEL	074 083 085
SAMSUNG	016
SANSUI	040 048 110 063 065 228
SANYO	214
SCOTT	019
SHARP	026 094 175
SHERWOOD	024 102 106 447
SONY	002 018 247 248 166 101 184 218 271
SOUNDESIGN	036
SUNFIRE	344 345 182
TEAC	005 019 049 040 212 217
TECHNICS	122 176 193 219 178 177 200 257 262
THETA DIGITAL	136
TOSHIBA	060 087 198 278
YAMAHA	026 253 169 067 173 205 264 232 089 274
ZENITH	143 210

## SATELLITE Radios

BRAND	CODE NUMBERS
DELPHI	515
POLKAUDIO	515
SIRIUS	555
XM SATELLITE RADIO	515

# CD

## Brand Code Numbers

ADCOM	062 042
AIWA	089 170 187
AKAI	202
AMC	231 232
ARCAM	238
AUDIO ACCESS	119 147
AUDIO EASE	165
AUDIO TECHNICA	046
CALIFORNIA AUDIO	103 008
CARVER	185 041 044 050 107 130 134 135 138 139 203 204 167
CREEK	159
DENON	002 123
EMERSON	042
FISHER	050 185 134 008
GENEXXA	010
HARMAN KARDON	033 047 208
HITACHI	042 175
INKEL	130
JCPENNEY	141
JENSEN	158
JVC	004 022 136 163 213 214 242 243
KENWOOD	185 007 023 055 071 072 142 137 254
KRELL	241
KYOCERA	005
LUXMAN	011 028 070 249 252
MAGNAVOX	044 107
MARANTZ	041 044 051 077 107 209 246
MCINTOSH	212 247
MEMOREX	010
MISSION	044 107
mitsubishi	179
MONDIAL	147
MYRYAD	244 155
NAD	005 178
NAKAMICHI	217 218
NEC	062
NIKKO	046
NSM	044 107
ONKYO	030 038 039 168 169
OPTIMUS	010 050 081
PANASONIC	103 172 008 068 248
PARASOUND	233 240
PHILIPS	041 044 107 246
PIONEER	010 020 174 175 176
PROCEED	239
PROTON	044 107
QUASAR	103 008
RCA	017 042 150
REALISTIC	042 050 051 187
ROTEL	044 107 161 178 250
SAE	044 107
SANSUI	044 107 128 171 190 125
SANYO	050

## Brand Code Numbers

SHARP	026 031 051
SHERWOOD	019 051 096 112 115 119 166
SIGNATURE	033
SONY	048 081 097 126 133 177 225 226 164
SOUNDESIGN	251
SUMO	155
SYLVANIA	044 107
SYMPHONIC	052
TANDY	010
TEAC	051 052 140 079
TECHNICS	103 172 184 008 068
THETA DIGITAL	234 235
VICTOR	004 022
WARDS	185 033
YAMAHA	024 046 054 186 183 245

# VCR/DVR

Brand Code Numbers

## VCRs

ADMIRAL	025 053
ADVENTURA	034
AIKO	117
AIWA	034 161
AKAI	016 146 043 124 125
AMERICA ACTION	117
AMERICAN HIGH	031
AMPRO	072
ANAM	145
ASHA	040
AUDIO DYNAMICS	012 023 039 043
AUDIOVOX	101
BEAUMARK	040
BROOKSONIC	035 037 129
CALIX	101
CANON	028 145
CAPEHART	108
CCE	024 117
CITIZEN	101 117
COLT	024
CRAIG	003 102 135
CURTIS MATHES	145
CYBERNEX	040
DAEWOO	111 116 117 005 010 108 110 112
DAYTRON	108
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059
ELECTROPHONIC	101
EMERSON	006 029 035 017 025 027 145 034 036 037 101 129 131 153 162 116
FISHER	003 010 008 009
FUJI	031
FUNAI	034
GARRARD	034
GE	145 072 147 144
GO VIDEO	132 136 155 102 115
GOLDSTAR	101 114 013 012 123
GRADIENTE	034
HARLEY DAVIDSON	034
HARMAN KARDON	012
HARWOOD	024
HITACHI	026 150 034 043 160 013
HQ	034
INSTANTREPLAY	145
JCL	145
JCPENNEY	012 013 015 102 101
JENSEN	043
JVC	048 043 130 150 012 145
KEC	101
KENWOOD	048 034
KLH	024
KODAK	145 101
LG	101 114 013 012 123

Brand Code Numbers

LLOYD	034
LOGIK	024
LXI	034 003 009 017
MAGIN	102
MAGNAVOX	067 145 034 164
MARANTZ	067 012 145
MARTA	101
MATSUI	027 030
MATSUSHITA	145
MEI	145
MEMOREX	101 003 010 145 034 053 072 102 139
MGN TECHNOLOGY	040
MINOLTA	013
MITSUBISHI	059 061 151 013 051
MOTOROLA	145 053
MTC	034 102
MULTITECH	024 034
NEC	012 023 039 043 048
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	101
OPTONICA	053
ORION	025
PANASONIC	070 145 163 167
PENTAX	013 145
PHILCO	145 034 067
PHILIPS	145 067 034 101 071
PILOT	101
PIONEER	021 013 048
PORTLAND	108
PROFITRONIC	040
PROTEC	024
PULSAR	072
QUARTZ	002
RADIO SHACK	123
RADIX	101
RANDEX	101
RCA	144 147 145 013 034 102
REALISTIC	003 008 010 145 034 102 053 101
RICO	058
RUNCO	148
SAMSUNG	102 113 115 112 144 147 125
SANKY	053
SANSUI	022 043 048 135
SANYO	003 010 102
SCOTT	017 037 112 129 131
SEARS	003 008 010 013 101 009 017 073 112
SHARP	149 145 165
SHINTOM	024
SHOGUN	040
SIGNATURE	034
SINGER	024
SONY	056 057 058 003 145 149 154

## VCR/DVR

### Brand Code Numbers

SOUNDESIGN	034
STS	013
SYLVANIA	145 034 059 067
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043
TEAC	034 039 043
TECHNICS	145 070
TEKNIKA	145 019 034 101
THOMAS	034
TMK	006
TOSHIBA	112 131 008 059 013
TOTEVISION	102 101
UNITECH	102
VECTOR RESEARCH	012
VICTOR	048
VIDEO CONCEPTS	012 034
VIDEOSONIC	102
VILLAIN	034
WARDS	003 013 017 024 145 034 102 053 131
WESTINGHOUSE	024 025
XR-1000	024 145 034
YAMAHA	012 034 039 043
ZENITH	072 048 101 034 058

### TV/VCR Combos

AMERICA ACTION	117
DAEWOO	005 117
EMERSON	153
FUNAI	034
GOLDSTAR	101 123
HARLEY DAVIDSON	034
HITACHI	034
JCPENNEY	101
LG	101 123
LLOYD	034
MAGNAVOX	034 067
MEMOREX	101
PANASONIC	070 167
PHILIPS	034 067 145
RADIO SHACK	123
RCA	034 144
SAMSUNG	102
SEARS	101
SONY	057 154 058
SYLVANIA	067
SYMPHONIC	034
THOMAS	034
ZENITH	034

### Brand Code Numbers

#### DVR Receivers

HUGHES	001
HUMAX	001
PHILIPS	001
REPLAY NETWORKS	775
SONY	804 805
TIVO	001
TOSHIBA	001

## AUX

Brand Code Numbers

### iPod Controls

APPLE / iPod	901 912
BOSE	909
GRIFFIN	471
KENSINGTON	906
TEN TECHNOLOGY	901

### MEDIA PC Controls

DELL	001
GATEWAY	001
HP	001
KEYSPAN	797
SONY	001
TOSHIBA	001
WINBOOK	001

### GAMING SYSTEM Controls

MICROSOFT / XBOX	908 607
SONY / PS2	914

### LIGHTING Controls

LITE-TOUCH	708 757
LUTRON	658 659 577
X-10	683 593
XANTECH	688 689



## TV

### Brand Code Numbers

ABEX	025
ADMIRAL	072 251 333
ADVENT	247
ADVENTURA	002
AIKO	103
ALERON	028
AKAI	116 146 248 281 404 405
A MARK	112
AMERICA ACTION	043
AMPRO	073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	116 363 112 058
APEX DIGITAL	006
ASTAR	477
AUDIOVOX	076
BELCOR	116
BELL&HOWELL	333 072
BRADFORD	043
BROKSONIC	238
BROCKWOOD	116
CANDLE	116 002 003 363
CAPEHART	058
CELEBRITY	001
CENTURION	116
CETRONIC	043
CITIZEN	116 002 003 363 043 258 103
CLARION	043
CLASSIC	043
CLP CLASSIC	333
COLORTYME	116
CONCIERGE	073
CONCERTO	363
CONTEC	043 050 051
CORNEA	116
CRAIG	043 054
CROSLEY	164
CROWN	043
CURTIS MATHES	116 258 363
CXC	043
DAEWOO	363 016 043 044 076 103 114 125
DAYTRON	363
DELL	320 164 363
DIGITAL LIFESTYLE	528
DIGITRON	258
DIMENSIA	333
DUKANE	011 025
DUMONT	116 073
DURABRAND	096
DWIN	257
DYNASTY	043
DYNEX	399
EIKI	187
ELECTROBAND	001
ELECTROHOME	024 076

### Brand Code Numbers

ELECTROGRAPH	466
ELEKTRA	072
ELEMENT	526
EMERSON	028 048 043 155 005 116 363 047 050 051 076 096 153
ENVISION	116
ESA	323
FISHER	007 057
FUJITSU	246 198
FUNAI	028 043 052
FUTURETECH	043
GATEWAY	242 268
GE	073 116 008 009 034 056 074 155 333 363
GEM	391
GIBRALTER	116 073
GOLDSTAR	113 116 102 004 106 112
GRUNPY	028 043
HAIER	363
HALL MARK	363
HANNSPREE	381
HARLEY DAVIDSON	028
HARSPER	466
HARVARD	043
HAVERAMY	081
HELLO KITTY	076
HIMITSU	043
HISENSE	419
HITACHI	011 166 363 009 010 012 023 075 158 072
HP	378 316 327
ILO	472
INFINITY	164
INFOCUS	333 330
INTEQ	073
INSIGNIA	350 399 400 052 164 403
JANEIL	002
JBL	164
JCB	001
JCPENNEY	363 024 116 008 009 030 065 258 333
JENSEN	013
JVC	038 034 001 083 199 210
KAWASHO	116 001
KEC	043
KENWOOD	116 001
KLEGG	466
KLOSS	002 059
KREISEN	530
KTV	043 116
KURAZAI	072
LG	363 113 116 102 363 106 112
LODGENET	072
LOEWE	164
LOGIK	072
LUXMAN	363
LXI	166 007 138 052 251 333 164

# TV

## Brand Code Numbers

MAGNAVOX	164 059 116 003 060 061 363 022 333 094 226 390
MAJESTIC	333 072
MARANTZ	116 164
MATSUI	164
MATSUSHITA	080
MAXENT	242
MEGATRON	116 011
MEMOREX	007 072 363
MGA	116 363 024 028 042
MIDLAND	333 073
MINTEK	282 362
MINUTZ	008
mitsubishi	124 109 024 363 028 040 042 146
MONTGOMERY WARD	333 072
MOTOROLA	081
MTc	116 363 258
MULTITECH	043
NAD	138 025
NEC	272 132 134 116 040 016 024 056 019 262
NET TV	242
NIKEI	043
NIKKO	116
NIKO	527
NORCENT	390
NTC	103
NUVISION	351
OLEVIA	432
ONKING	043
ONWA	043
OPTIMUS	025
OPTONICA	019 251
OPTOMA	265
ORION	096
PANASONIC	080 034 056 164 208
REVOLUTION HD	466
PHILCO	116 003 059 060 164 363 024 056
PHILIPS	164 005 093 038 116 003 363 059 206
PILOT	116
PIONEER	234 025 018 023 116 272 393
POLAROID	388
PORTLAND	363
PRIMA	164
PRISM	034
PROSCAN	333
PROTON	363 112 058 171 172
PROTRON	392 398
PROVIEW	526
PULSAR	116 073
QUASAR	034 056
RADIO SHACK	019 363 043
RCA	333 065 116 363 024 056 152 023 074
REALISTIC	007 019 043 047
RUNCO	072 182 073 395 416
SAMPO	116 058 363 242

## Brand Code Numbers

SAMSUNG	258 050 089 105 363 333 228 229
SAMSUX	116
SANSEI	076
SANSUI	096
SANYO	166 007 020 053 057 082 187
SCEPTRE	276
SCOTCH	116
SCOTT	028 043 363 048
SEARS	138 030 363 007 028 057 094 333 082 166
SELECO	205 011
SHARP	251 019 014 028 029 363 022 175
SHENG CHIA	081
SHOGUN	116
SIGNATURE	072
SIMPSON	003
SONY	001
SOUNDESIGN	028 363 003 043
SOVA	363
SOYO	528
SPECTRICON	112
SPECTRONIQ	392 398
SQUAREVIEW	052
STARLITE	043
SSS	363 043
SUPRA	116
SUPRE MACY	002
SUPREME	001
SVA	328
SYLVANIA	116 003 052 059 060 164 044 333
SYNTAX OLEVIA	333 363 432
TANDY	251
TATUNG	056
TECHNICS	034 080
TECHNOL ACE	028
TECHWOOD	363
TEKNIKA	002 003 363 024 028 043 072 258
TELERENT	072
TERA	172
TMK	363
TNCI	073
TOSHIBA	138 030 007 040 258 325
TRUTECH	529
TVS	096
UNIVERSAL	008 009
VICTOR	038
VIDEO CONCEPTS	146
VIDIKRON	174 164 188
VIDTECH	363
VIEWSONIC	242 389
VIKING	002
VIORE	472
VISCO	526
VITO	363
VIZIO	386 387

**TV**

Brand Code Numbers

WARDS	363 008 009 019 028 060 061 072 074 164 034
WAYCON	015
WESTINGHOUSE	076 276
YAMAHA	116 363
YORK	363
YUPITERU	043
ZENITH	363 073 072 095 103
ZONDA	112

## DVD

### Brand Code Numbers

AIWA	146
AKAI	281
ALLEGRO	091
APEX DIGITAL	087 111 115
BLAUPUNKT	111
BROKSONIC	130
CINEVISION	091
COBY	260
CYBERHOME	271
DENON	138 173
DURABRAND	091
DVD 2000	017
EMERSON	091 143
ENTERPRISE	074
FISHER	147
FUNAI	143
GOLDSTAR	091
GO VIDEO	137 091 220 221 222
GREENHILL	111
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INSIGNIA	143
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LITEON	264 265
LEXICON	148
LG	091 057
MAGNAVOX	001 096 143 282
MARANTZ	001 095
MALATA	267
MERIDIAN	153
MINTEK	111 282
mitsubishi	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
NESA	111
ONKYO	076 035 180
OPTIMUS	023
OPPO	266
ORION	130
PANASONIC	138 144 150 285
PHILIPS	001 095
PHILIPS MAGNAVOX	035 001
PIONEER	023 131
POLAROID	233
POLK AUDIO	035 001
RIO	091

### Brand Code Numbers

RJTECH	269
SAMSUNG	165 170 137 159 275
SANSUI	154
SANYO	147
SEARS	130
SENSORY SCIENCE	222
SHARP	094
SHINSONIC	033
SONIC BLUE	091
SONY	002 033 145 191 286
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
TEAC	023 270
TECHNICS	138
TECHWOOD	088
THETA DIGITAL	023
TOSHIBA	035 130 141 164 188 273
URBAN CONCEPTS	035
VENTURER	149
YAMAHA	138 089 001 197
ZENITH	057 091

### BLU-RAY & HD DVDs

LG	091
PANASONIC	285
PIONEER	304
SAMSUNG	275
SONY	286
TOSHIBA	273

### DVD Recorders

GO VIDEO	220 221 222
CYBERHOME	271
ILO	268
KISS	279
LITEON	265
PANASONIC	138
SENSORY SCIENCE	222
SONY	191
TOSHIBA	188

### TV/DVD Combos

AKAI	281
AIWA	146
FUNAI	143
INSIGNIA	143
MAGNAVOX	282
MINTEK	282
SAMSUNG	165
SYLVANIA	143
SYMPHONIC	143
TOSHIBA	130

## DVD

Brand Code Numbers

### TV/DVD/VCR Combos

MAGNAVOX	143
PANASONIC	144
SYLVANIA	143
TOSHIBA	164

### DVD/VCR Combos

GO VIDEO	137
PANASONIC	150
PHILIPS	001 (VCR Functions for VCR 067)
SAMSUNG	137 159
SANSUI	154
SONY	145
TOSHIBA	141
ZENITH	091 (VCR Functions for VCR101)

**CABLE/SAT**

Brand Code Numbers

**CABLE BOXES**

ABC	004 042
ADELPHIA	001 110
ADVANCED NEWHOUSE	001
ALTIO	001
AMERICAST	099
ARMSTONG	110
AT&T BROADBAND	110
ATLANTIC BROADBAND	001 110
BELL SOUTH	099
BLUE RIDGE	001 110
BRESNAN	110
BRIGHT HOUSE	001 110
BUCKEYE COMM	110
CABLEVISION	001 110 108
CHARTER	001 110
CISCO	001 042
COGECO	110
COMCAST	001 110
COMSAT	110
COX DIGITAL	001 110
DIGEO	111
DIRECTOR	110
GCI	110
GENERAL INSTRUMENT	110 004
GNC	099
INSIGHT	110
JERROLD	110 004
MASSILLON	110
MEDIACOM	110
MIDCONTINENT	110
MOTOROLA	110 148 111
MOXI	111
NCTC	110
NEW WAVE	110
OAK	031
ONELINK	001
PACE	001 110
PANASONIC	044 047
PHILIPS	085
PIONEER	001 034 105
RCA	047
RCN	110
RODGERS	001
SCIENTIFIC ATLANTA	001 042
SEREN	001
SERVICE ELECTRIC	110
SHAW	110
SIGECOM	001
SONY	108
SPRUCER	047
STARCOM	004
SUSQUEHANNA	001 110
TIME WARNER	001 110
TORX	004

Brand Code Numbers

UNITED CABLE	004
VERIZON	110
VIDEOTRON	001
VISTA III MEDIA	110
WAVE BROADBAND	110
WEHCO VIDEO	110
WIDE OPEN WEST	001 099

**SATELLITE RECEIVERS**

CABLEVISION	148
DIRECTV	173
DISH	122
ECHOSTAR	122
EXPRESSVU	122
GE	116
GENERAL INSTRUMENT	148
GOI	122
HITACHI	114
HTS	122
HUGHES	114
JVC	122
LG	170
MITSUBISHI	114
NEXT LEVEL	148
PANASONIC	142
PHILIPS	156 114
PROSCAN	116
RADIOSHACK	148
RCA	116
SAMSUNG	163 169 175
SONY	115
STAR CHOICE	148
TOSHIBA	114
VOOM	148

## **Frequently Asked Questions**

### **If the batteries run out, will I lose my settings?**

No. The WR7 stores all of your settings in non-volatile FLASH memory. You could remove the batteries for months, replace them at your convenience, and the WR7 would still remember your settings.

### **What is MacroPower?**

MacroPower is a very useful way to make a lot of things happen with one button push. For example, in most home theaters, to watch television, the user must turn on the TV, then turn on the Cable Box or the Satellite Receiver, then turn on the Surround Sound system for sound. Instead of pressing all of those buttons one at a time, MacroPower enables you to turn on all of these components, in the sequence you want, with one button push. For more information on why and how you should program MacroPower commands, refer to page 21 in this Manual.

### **What if my remote control no longer works from a distance?**

Replace the batteries with new Alkaline batteries.

### **Who can I contact for more answers?**

The Universal Remote Control technical support and customer service staff are ready to answer any questions you might have.

**E-Mail us at [techsupport@universalremote.com](mailto:techsupport@universalremote.com)**

**Visit our website [www.universalremote.com](http://www.universalremote.com)**

**Call us at (914) 835-4484**

**Monday - Friday, 9AM to 6PM (EST)**

## USA Limited Warranty

UNIVERSAL REMOTE CONTROL, INC. warrants this product against defects in material or workmanship for a period of one (1) year and as set forth below. Universal Remote Control will, at its sole option, repair the product using new or comparable rebuilt parts, or exchange the product for a comparable new or rebuilt product.

### This warranty not does apply to the following:

- Units purchased from unauthorized resellers.
- Units purchased second-hand (used).
- Units installed or deployed for rental or commercial use.
- Damage caused by misuse, neglect, or acts of nature.
- Products that have been modified or incorporated into other products.
- Products purchased more than 12 months ago.

## Specifications

**Learning Capability** .....80 buttons for any component

**Macro Capability** .....13 Macros of up to 20 steps each

**Non-Volatile Flash Memory** .....64 KByte

**IR Range (Line of Sight via Infrared)** .....30–50 feet,  
depending on operational environmental conditions

**Weight** .....6.9 oz. (with batteries)

**Size** .....2 1/8"W x 8 3/4"H x 1 1/8"D

**Batteries** .....Two AA Alkaline batteries (included)





**500 Mamaroneck Avenue, Harrison, NY 10528**  
**Phone: (914) 835-4484 Fax: (914) 835-4532**  
**[www.universalremote.com](http://www.universalremote.com)**